



## Calculer l'aire d'un triangle, d'un disque et d'un parallélogramme

**Exercice n°1 :** Calculer l'aire des triangles suivants.

|        |        |        |
|--------|--------|--------|
|        |        |        |
| Aire = | Aire = | Aire = |

|        |        |        |
|--------|--------|--------|
|        |        |        |
| Aire = | Aire = | Aire = |

|        |        |        |
|--------|--------|--------|
|        |        |        |
| Aire = | Aire = | Aire = |

**Exercice n°2 :** Calculer l'aire des disques suivants. (Arrondir au centièmes)

|        |        |        |        |
|--------|--------|--------|--------|
|        |        |        |        |
| Aire = | Aire = | Aire = | Aire = |

**Exercice n°3 :** Calculer l'aire des parallélogrammes suivants.

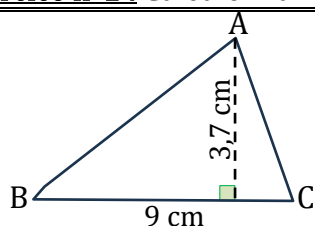
|        |        |        |        |
|--------|--------|--------|--------|
|        |        |        |        |
| Aire = | Aire = | Aire = | Aire = |



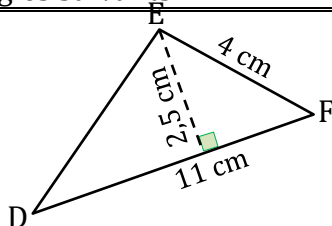
## Calculer l'aire d'un triangle, d'un disque et d'un parallélogramme

### Correction

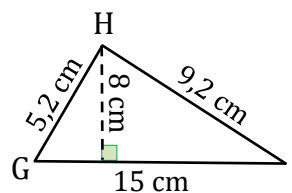
**Exercice n°1 :** Calculer l'aire des triangles suivants.



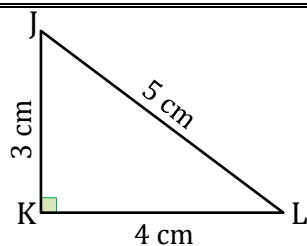
$$\begin{aligned}\text{Aire} &= \frac{\text{base} \times \text{hauteur}}{2} \\ &= \frac{9 \times 3,7}{2} \\ &= \frac{33,3}{2} \\ &= 16,65 \text{ cm}^2\end{aligned}$$



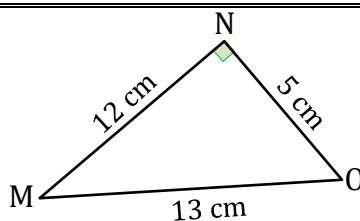
$$\begin{aligned}\text{Aire} &= \frac{\text{base} \times \text{hauteur}}{2} \\ &= \frac{11 \times 2,5}{2} \\ &= \frac{27,5}{2} \\ &= 13,75 \text{ cm}^2\end{aligned}$$



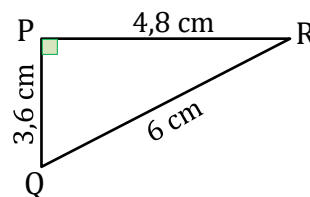
$$\begin{aligned}\text{Aire} &= \frac{\text{base} \times \text{hauteur}}{2} \\ &= \frac{15 \times 8}{2} \\ &= \frac{120}{2} \\ &= 60 \text{ cm}^2\end{aligned}$$



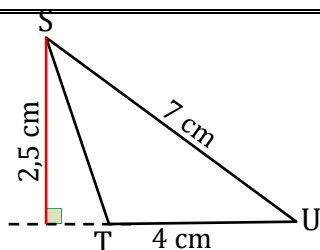
$$\begin{aligned}\text{Aire} &= \frac{\text{base} \times \text{hauteur}}{2} \\ &= \frac{4 \times 3}{2} \\ &= \frac{12}{2} \\ &= 6 \text{ cm}^2\end{aligned}$$



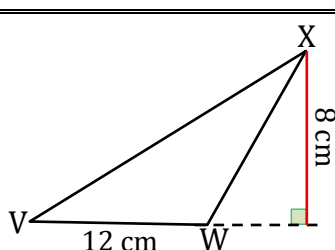
$$\begin{aligned}\text{Aire} &= \frac{\text{base} \times \text{hauteur}}{2} \\ &= \frac{5 \times 12}{2} \\ &= \frac{60}{2} \\ &= 30 \text{ cm}^2\end{aligned}$$



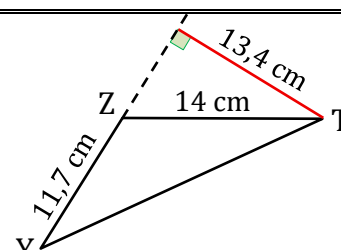
$$\begin{aligned}\text{Aire} &= \frac{\text{base} \times \text{hauteur}}{2} \\ &= \frac{4,8 \times 3,6}{2} \\ &= \frac{17,28}{2} \\ &= 8,64 \text{ cm}^2\end{aligned}$$



$$\begin{aligned}\text{Aire} &= \frac{\text{base} \times \text{hauteur}}{2} \\ &= \frac{4 \times 2,5}{2} \\ &= \frac{10}{2} \\ &= 5 \text{ cm}^2\end{aligned}$$

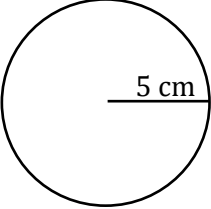
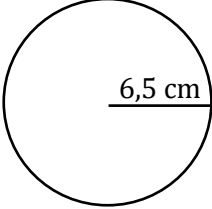
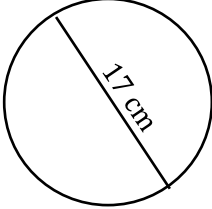
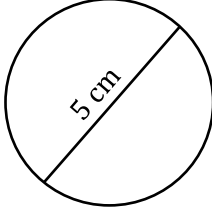


$$\begin{aligned}\text{Aire} &= \frac{\text{base} \times \text{hauteur}}{2} \\ &= \frac{12 \times 8}{2} \\ &= \frac{96}{2} \\ &= 48 \text{ cm}^2\end{aligned}$$

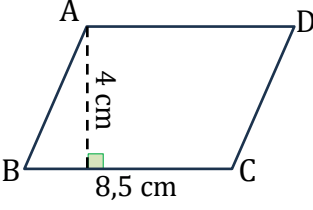
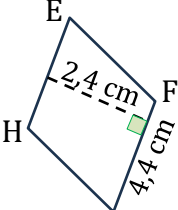
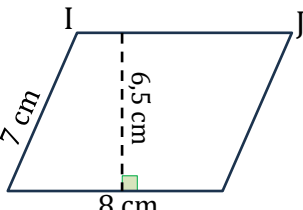
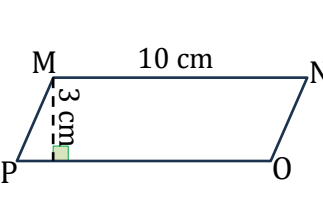


$$\begin{aligned}\text{Aire} &= \frac{\text{base} \times \text{hauteur}}{2} \\ &= \frac{11,7 \times 13,4}{2} \\ &= \frac{156,78}{2} \\ &= 78,39 \text{ cm}^2\end{aligned}$$

**Exercice n°2 :** Calculer l'aire des disques suivants. (Arrondir au centièmes)

|                                                                                                           |                                                                                                                 |                                                                                                                 |                                                                                                               |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|                          |                                |                               |                            |
| $Aire = \pi \times r^2$<br>$Aire = \pi \times 5^2$<br>$Aire = 25\pi$<br>$Aire \approx 78,54 \text{ cm}^2$ | $Aire = \pi \times r^2$<br>$Aire = \pi \times 6,5^2$<br>$Aire = 42,25\pi$<br>$Aire \approx 132,73 \text{ cm}^2$ | $Aire = \pi \times r^2$<br>$Aire = \pi \times 8,5^2$<br>$Aire = 72,25\pi$<br>$Aire \approx 226,98 \text{ cm}^2$ | $Aire = \pi \times r^2$<br>$Aire = \pi \times 2,5^2$<br>$Aire = 6,25\pi$<br>$Aire \approx 19,63 \text{ cm}^2$ |

**Exercice n°3 :** Calculer l'aire des parallélogrammes suivants.

|                                                                                                 |                                                                                                      |                                                                                                 |                                                                                                |
|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
|                |                     |               |             |
| $Aire = \text{base} \times \text{hauteur}$<br>$Aire = 8,5 \times 4$<br>$Aire = 34 \text{ cm}^2$ | $Aire = \text{base} \times \text{hauteur}$<br>$Aire = 4,4 \times 2,4$<br>$Aire = 10,56 \text{ cm}^2$ | $Aire = \text{base} \times \text{hauteur}$<br>$Aire = 8 \times 6,5$<br>$Aire = 52 \text{ cm}^2$ | $Aire = \text{base} \times \text{hauteur}$<br>$Aire = 10 \times 3$<br>$Aire = 30 \text{ cm}^2$ |